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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/642,034

DATE: 10/01/2002

TIME: 15:43:42

Input Set : A:\18501-97.app
 Output Set: N:\CRF4\10012002\I642034.raw

3 <110> APPLICANT: Mack, David
 4 Gish, Kurt C.
 5 Eos Biotechnology, Inc.
 7 <120> TITLE OF INVENTION: Novel Methods of Diagnosing Breast Cancer,
 8 Compositions, and Methods of Screening for Breast
 9 Cancer Modulators
 11 <130> FILE REFERENCE: 018501-009700US
 13 <140> CURRENT APPLICATION NUMBER: US 09/642,034
 14 <141> CURRENT FILING DATE: 2000-08-18
 16 <150> PRIOR APPLICATION NUMBER: US 09/268,865
 17 <151> PRIOR FILING DATE: 1999-03-15
 19 <150> PRIOR APPLICATION NUMBER: US 09/450,810
 20 <151> PRIOR FILING DATE: 1999-11-29
 22 <150> PRIOR APPLICATION NUMBER: US 09/453,137
 23 <151> PRIOR FILING DATE: 1999-12-02
 25 <150> PRIOR APPLICATION NUMBER: US 09/525,361
 26 <151> PRIOR FILING DATE: 2000-03-15
 28 <150> PRIOR APPLICATION NUMBER: WO PCT/US00/06952
 29 <151> PRIOR FILING DATE: 2000-03-15
 31 <160> NUMBER OF SEQ ID NOS: 7
 33 <170> SOFTWARE: PatentIn Ver. 2.1
 35 <210> SEQ ID NO: 1
 36 <211> LENGTH: 3461
 37 <212> TYPE: DNA
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 45 <222> LOCATION: (138)..(2405)
 46 <223> OTHER INFORMATION: human BCR4
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 55 tcagaaaatt acttccaaat ataggcatag ataagattaa aagaatccat atacaccatg 420
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 59 gtaaagatcc tagaaacacgc cagggaaag gagctcaccg accagaacat gccagtggta 660

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60 gaaggaatgt caaggacagt gtttagtgcta gtgaagtgc ac tcaactgtg tacaacactg 720
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 63 tggctggtag gaaaacaaat gaatctgtga gtgagccccg aaaaggctt atgtattcca 900
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 67 ctccaaagac ctattcatta caaatagcct ggggttggg ttttatagcc atttccatca 1140
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 109 <210> SEQ ID NO: 2
 110 <211> LENGTH: 18

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112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
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126 <223> OTHER INFORMATION: Description of Artificial Sequence:sequence in
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128      found in published human LIV-1
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145      240
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 177 atgggtgtatgc gcctgcacaa tttcagcgat ggcctagcaa ttgggtctgc ttttactgaa 1860
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 182 gctctgggtt atatggtacc tggaaatgctg cacaatgatg ctgtgacca tggatgtac 2160
 183 cgctgggggt atttctttt acagaatgctt gggatcttt tgggtttgg aattatgtta 2220
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 199 20 25 30
 200 Thr Glu Lys Ile Ser Pro Asn Trp Glu Ser Gly Ile Asn Val Asp Leu
 201 35 40 45
 202 Ala Ile Ser Thr Arg Gln Tyr His Leu Gln Gln Leu Phe Tyr Arg Tyr
 203 50 55 60
 204 Gly Glu Asn Asn Ser Leu Ser Val Glu Gly Phe Arg Lys Leu Leu Gln
 205 65 70 75 80
 206 Asn Ile Gly Ile Asp Lys Ile Lys Arg Ile His Ile His His Asp His
 207 85 90 95
 208 Asp His His Ser Asp His Glu His His Ser Asp His Glu Arg His Ser
 209 100 105 110
 210 Asp His Glu His His Ser Asp His Glu His His Ser Asp His Asp His
 211 115 120 125
 212 His Ser His His Asn His Ala Ala Ser Gly Lys Asn Lys Arg Lys Ala
 213 130 135 140
 214 Leu Cys Pro Asp His Asp Ser Asp Ser Gly Lys Asp Pro Arg Asn
 215 145 150 155 160
 216 Ser Gln Gly Lys Gly Ala His Arg Pro Glu His Ala Ser Gly Arg Arg
 217 165 170 175
 218 Asn Val Lys Asp Ser Val Ser Ala Ser Glu Val Thr Ser Thr Val Tyr
 219 180 185 190
 220 Asn Thr Val Ser Glu Gly Thr His Phe Leu Glu Thr Ile Glu Thr Pro
 221 195 200 205
 222 Arg Pro Gly Lys Leu Phe Pro Lys Asp Val Ser Ser Thr Pro Pro

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227	245	250	255
228	Thr Asn Glu Asn Pro Gln Glu Cys Phe Asn Ala Ser Lys Leu Leu Thr		
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230	Ser His Gly Met Gly Ile Gln Val Pro Leu Asn Ala Thr Glu Phe Asn		
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232	Tyr Leu Cys Pro Ala Ile Ile Asn Gln Ile Asp Ala Arg Ser Cys Leu		
233	290	295	300
234	Ile His Thr Ser Glu Lys Lys Ala Glu Ile Pro Pro Lys Thr Tyr Ser		
235	305	310	315
236	Leu Gln Ile Ala Trp Val Gly Gly Phe Ile Ala Ile Ser Ile Ile Ser		320
237	325	330	335
238	Phe Leu Ser Leu Leu Gly Val Ile Leu Val Pro Leu Met Asn Arg Val		
239	340	345	350
240	Phe Phe Lys Phe Leu Leu Ser Phe Leu Val Ala Leu Ala Val Gly Thr		
241	355	360	365
242	Leu Ser Gly Asp Ala Phe Leu His Leu Leu Pro His Ser His Ala Ser		
243	370	375	380
244	His His His Ser His Ser His Glu Glu Pro Ala Met Glu Met Lys Arg		
245	385	390	395
246	Gly Pro Leu Phe Ser His Leu Ser Ser Gln Asn Ile Glu Glu Ser Ala		400
247	405	410	415
248	Tyr Phe Asp Ser Thr Trp Lys Gly Leu Thr Ala Leu Gly Gly Leu Tyr		
249	420	425	430
250	Phe Met Phe Leu Val Glu His Val Leu Thr Leu Ile Lys Gln Phe Lys		
251	435	440	445
252	Asp Lys Lys Lys Asn Gln Lys Lys Pro Glu Asn Asp Asp Asp Val		
253	450	455	460
254	Glu Ile Lys Lys Gln Leu Ser Lys Tyr Glu Ser Gln Leu Ser Thr Asn		
255	465	470	475
256	Glu Glu Lys Val Asp Thr Asp Asp Arg Thr Glu Gly Tyr Leu Arg Ala		480
257	485	490	495
258	Asp Ser Gln Glu Pro Ser His Phe Asp Ser Gln Gln Pro Ala Val Leu		
259	500	505	510
260	Glu Glu Glu Val Met Ile Ala His Ala His Pro Gln Glu Val Tyr		
261	515	520	525
262	Asn Glu Tyr Val Pro Arg Gly Cys Lys Asn Lys Cys His Ser His Phe		
263	530	535	540
264	His Asp Thr Leu Gly Gln Ser Asp Asp Leu Ile His His His His Asp		
265	545	550	555
266	Tyr His His Ile Leu His His His His Gln Asn His His Pro His		560
267	565	570	575
268	Ser His Ser Gln Arg Tyr Ser Arg Glu Glu Leu Lys Asp Ala Gly Val		
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270	Ala Thr Leu Ala Trp Met Val Ile Met Gly Asp Gly Leu His Asn Phe		
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 3